PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	PCT			
To: SONN & PARTNER Riemergasse 14 A-1010 Wien AUSTRIA	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
rem ren 31. Jan. 2805	(PCT Rule 44.1)			
20.3. Ind	Date of mailing (day/month/year) 27/01/2005			
Applicant's or agent's file reference				
R 43093	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/EP2004/004856	International filing date (day/month/year) 06/05/2004			
Applicant				
INTERCELL AG				
Authority have been established and are transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet. Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Fascimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. 2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith. 3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Reminders Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 <i>bis</i> .1 and 90 <i>bis</i> .3, respectively, before the completion of the technical preparations for international publication.				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date. Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.				
Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Authorized officer Stefanie Büchler				

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the *PCT Applicant's Guide*, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the International Searching Authority, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only (see *PCT Applicant's Guide*, Annexes B1 and B2).

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the International Searching Authority has declared, under Article 17(2), that no international search report would be established (see *PCT Applicant's Guide*, Volume I/A, paragraph 296).

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

ACTION as well as, where spicability, less 5 below. International application No. International filling date (day/month/year) PCT/EP2004/004856 06/05/2004 O7/05/2003 Applicant INTERCELL AG This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the international Bureau. This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the international Bureau. This International Search Report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by the applicant in the fact is approach as submitted by the applicant. It he text is approved as submitted by the applicant. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of each prior and document cited in this report. It is also accompanied by a copy of eac	Applicant's or agent's file reference	FOR FURTHER	DOT/104/000
Applicant INTERCELL AG This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of			see Form PCT/ISA/220 as well as, where applicable, item 5 below.
Applicant INTERCELL AG This International Search Report has been prepared by this International Scarching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of	International application No.	International filing date (day/month	/year) (Earliest) Priority Date (day/month/year)
This international Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of		06/05/2004	07/05/2003
This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of	Applicant		
This International Search Report consists of a total of	INTERCELL AG		
It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. X With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. 2. X Certain claims were found unsearchable (See Box III). 3. With regard to the title, the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: STREPTOCOCCUS AGALACTIAE ANTIGENS I+II 5. With regard to the abstract, X the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No. as suggested by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	This International Search Report has bee according to Article 18. A copy is being tr	en prepared by this International Sear ansmitted to the International Bureau	ching Authority and is transmitted to the applicant
a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. Certain claims were found unsearchable (See Box II). Unity of invention is lacking (see Box III). With regard to the title, the text is approved as submitted by the applicant. X the text has been established by this Authority to read as follows: STREPTOCOCCUS AGALACTIAE ANTIGENS I+II With regard to the abstract, the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority, within one month from the date of mailing of this international search report, submit comments to this Authority, as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because the applicant failed to suggest a figure.			
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. 2.	With regard to the language, the language in which it was filed, un	less otherwise indicated under this ite	m.
2. X Certain claims were found unsearchable (See Box II). 3. X Unity of invention is lacking (see Box III). 4. With regard to the title, the text is approved as submitted by the applicant. X the text has been established by this Authority to read as follows: STREPTOCOCCUS AGALACTIAE ANTIGENS I+II 5. With regard to the abstract, X the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No. as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	tris Authority (Au	ile 23.1(b)).	
4. With regard to the title, the text is approved as submitted by the applicant. The text has been established by this Authority to read as follows: STREPTOCOCCUS AGALACTIAE ANTIGENS I+II 5. With regard to the abstract, the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No. as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.			
the text is approved as submitted by the applicant. X	3. X Unity of invention is lac	king (see Box III).	
 the text has been established by this Authority to read as follows: STREPTOCOCCUS AGALACTIAE ANTIGENS I+II With regard to the abstract, X the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No	4. With regard to the title,		
5. With regard to the abstract, X the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No. as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	the text is approved as su	bmitted by the applicant.	
5. With regard to the abstract, X	X the text has been established	shed by this Authority to read as follow	vs:
the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	STREPTOCOCCUS AGALACT	IAE ANTIGENS I+II	
the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.			
the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.			
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	5. With regard to the abstract,		
6. With regard to the drawings , a. the figure of the drawings to be published with the abstract is Figure No as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	X the text is approved as su	bmitted by the applicant.	
a. the figure of the drawings to be published with the abstract is Figure No as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	the text has been establis may, within one month fro	thed, according to Rule 38.2(b), by this internation the date of mailing of this internation	s Authority as it appears in Box No. IV. The applicant onal search report, submit comments to this Authority.
as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	6. With regard to the drawings,		
as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	 a. the figure of the drawings to be p 	published with the abstract is Figure N	0
as selected by this Authority, because this figure better characterizes the invention.	as suggested by	the applicant.	
as selected by this Authority, because this figure better characterizes the invention.	as selected by thi	s Authority, because the applicant fai	ed to suggest a figure.
b. X none of the figures is to be published with the abstract.			
	b. X none of the figures is to b	e published with the abstract.	

International application No.

PCT/EP2004/004856

Вох	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With inver	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ntion, the international search was carried out on the basis of:
	a.	type of material
		X a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		X in written format
		X in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed
		filed together with the international application in computer readable form
		X furnished subsequently to this Authority for the purpose of search
2.	х	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Addi	tional comments:

International application No. PCT/EP2004/004856

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 26 and 27 are directed to a method of treatment by surgery of the animal body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-2, 5-11, 14-37 (partially)
?
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.
was presented the payment of additional occition loss.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

Invention 1: claims 1-2, 5-11, 14-37 (partially)

Subject-matter related to SEQ ID N°14 and the corresponding polypeptide having the SEQ ID N°231

Inventions 2-229: claims 1-37 (partially)

Each of the nucleic acid having the SEQ IDs 1, 3, 5-15, 18-25, 27-30, 32-36, 39-68, 70-86, 90-101, 103-145, 147, 149-217, 435-448, 463-474 and the related subject-matter defines a separate invention.

International Application No

PCT/EP2004/004856 CLASSIFICATION OF SUBJECT MATTER PC 7 C07K14/315 A61K IPC 7 A61K39/09 C12N15/31 C07K16/12 C12Q1/68 G01N33/50 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 CO7K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, EMBASE, MEDLINE, WPI Data, Sequence Search C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ' Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. χ DATABASE EMBL 1,2, V 5-11, 12 September 2002 (2002-09-12), GLASER ET AL.: "Sterptococcus agalactiae 14-16 NEM316 complete genome, segment 2" XP002304476 Database accession no. AL766844 *page 4 last line- page 5 line 18* *sequence positions 16023-17678 pages 58 and 59* Further documents are listed in the continuation of box C. Patent family members are listed in annex. ° Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but 'A' document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the invention 'E' earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another involve an inventive step when the document is taken alone document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled *O* document referring to an oral disclosure, use, exhibition or in the art document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 27, 01, 05 9 November 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

Fax: (+31-70) 340-3016

6

Loubradou, G

International Application No
PCT/EP2004/004856

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
x /	DATABASE EMBL 2 September 2002 (2002-09-02), TETTELIN ET AL.: "Streptococcus agalactiae 2603V/R section 8 of 100 of the complete genome" XP002304477 Database accession no. AE014198 *page 2 line 43 to line 63* *page 6 sequence positions 4387-6042*	1,2, 5-11, 14-16		
Y	WO 02/059148 A (CISTEM BIOTECHNOLOGIES GMBH; AHSEN UWE (AT); ETZ HILDEGARD (AT); HAFN) 1 August 2002 (2002-08-01) cited in the application page 10, line 20 - line 21; examples 1-7 page 4, line 8 - page 10, line 9	1,2, 5-11, 14-37		
Y /	ETZ H ET AL: "Identification of in vivo expressed vaccine candidate antigens from Staphylococcus aureus" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 99, no. 10, 14 May 2002 (2002-05-14), pages 6573-6578, XP002222373 ISSN: 0027-8424 the whole document	1,2, 5-11, 14-37		
Y	KLADE C S: "PROTEOMICS APPROACHES TOWARDS ANTIGEN DISCOVERY AND VACCINE DEVELOPMENT" CURRENT OPINION IN MOLECULAR THERAPEUTICS, CURRENT DRUGS, LONDON,, GB, vol. 4, no. 3, June 2002 (2002-06), pages 216-223, XP009012456 ISSN: 1464-8431 page 219, left-hand column, paragraph 3 - page 220, right-hand column, paragraph 2	1,2, 5-11, 14-37		
Y /	TETTELIN H ET AL: "Complete genome sequence and comparative genomic analysis of an emerging human pathogen, serotype V Streptococcus agalactiae" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 99, no. 19, 17 September 2002 (2002-09-17), pages 12391-12396, XP002268223 ISSN: 0027-8424 the whole document ————————————————————————————————————	1,2, 5-11, 14-37		

International Application No
PCT/EP2004/004856

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim				
MOYO S R ET AL: "THE PUTATIVE R1 PROTEIN OF STREPTOCOCCUS AGALACTIAE AS SEROTYPE MARKER AND TARGET OF PROTECTIVE ANTIBODIES" APMIS, COPENHAGEN, DK, vol. 109, no. 12, 2001, pages 842-848, XP001053581 ISSN: 0903-4641 abstract				
BRODEUR B R ET AL: "Identification of group B streptococcal Sip protein, which elicits cross-protective immunity" INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY. WASHINGTON, US, vol. 68, no. 10, October 2000 (2000-10), pages 5610-5618, XP002219117 ISSN: 0019-9567 cited in the application abstract				
MICHEL J L ET AL: "Cloned alpha and beta C-protein antigens of group B Streptococci elicit protective immunity" INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY. WASHINGTON, US, vol. 59, no. 6, June 1991 (1991-06), pages 2023-2028, XP002107260 ISSN: 0019-9567 cited in the application abstract				
LARSSON C ET AL: "Protection against experimental infection with group B streptococcus by immunization with a bivalent protein vaccine" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 17, no. 5, February 1999 (1999-02), pages 454-458, XP004153828 ISSN: 0264-410X abstract				
	GLASER P ET AL: "Genome sequence of Streptococcus agalactiae, a pathogen causing invasive neonatal disease" MOLECULAR MICROBIOLOGY, BLACKWELL SCIENTIFIC, OXFORD, GB, vol. 45, no. 6, 27 September 2002 (2002-09-27), pages 1499-1513, XPO02268222 ISSN: 0950-382X cited in the application the whole document MOYO S R ET AL: "THE PUTATIVE R1 PROTEIN OF STREPTOCOCCUS AGALACTIAE AS SEROTYPE MARKER AND TARGET OF PROTECTIVE ANTIBODIES" APMIS, COPENHAGEN, DK, vol. 109, no. 12, 2001, pages 842-848, XP001053581 ISSN: 0903-4641 abstract BRODEUR B R ET AL: "Identification of group B streptococcal Sip protein, which elicits cross-protective immunity" INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY. WASHINGTON, US, vol. 68, no. 10, October 2000 (2000-10), pages 5610-5618, XP00221917 ISSN: 0019-9567 cited in the application abstract MICHEL J L ET AL: "Cloned alpha and beta C-protein antigens of group B Streptococci elicit protective immunity" INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY. WASHINGTON, US, vol. 59, no. 6, June 1991 (1991-06), pages 2023-2028, XP002107260 ISSN: 0019-9567 cited in the application abstract LARSSON C ET AL: "Protection against experimental infection with group B streptococcus by immunization with a bivalent protein vaccine" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 17, no. 5, February 1999 (1999-02), pages 454-458, XP004153828 ISSN: 0264-410X abstract			

6

International Application No PCT/EP2004/004856

		FC1/EF2004/004656
	tion) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
		Total to dam No.
P,A /	HUGHES MARTIN J G ET AL: "Novel protein vaccine candidates against Group B streptococcal infection identified using alkaline phosphatase fusions." FEMS MICROBIOLOGY LETTERS, vol. 222, no. 2, 28 May 2003 (2003-05-28), pages 263-271, XP002304330 ISSN: 0378-1097 *ONLINE PUBLICATION DATE IS 30.04.2004, see the first line above the abstract* abstract	
P,A /	HENICS T ET AL: "Small-fragment genomic libraries for the display of putative epitopes from clinically significant pathogens" BIOTECHNIQUES, EATON PUBLISHING, NATICK, US, vol. 35, no. 1, July 2003 (2003-07), pages 196-200,202,20, XP002293668 ISSN: 0736-6205 the whole document	

6

Information on patent family members

International Application No
PCT/EP2004/004856

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 02059148 ⁻	A	01-08-2002	AT AT BR CA CZ WO EP JP	410798 B 1302001 A 0207067 A 2436057 A 20032201 A 02059148 A 1355930 A 2004531476 T	15-12-2002 15-06-2004 1 01-08-2002 3 17-03-2004 2 01-08-2002 2 29-10-2003
			NO	20033364 A	24-09-2003

Form PCT/ISA/210 (patent family annex) (January 2004)